

ABSTRACT

The present invention is an improved de-coupling device for vehicle exhaust systems specifically emergency vehicle exhaust systems. In this application, flexible hoses are normally utilized as a conduit for exhaust fumes. This invention incorporated a tether inside said flexible hose thereby alleviating tension on said flexible hose. The weight of the nozzle elbow and the natural moment that is produced when a fire truck leaves the fire station with the nozzle on offers an ideal application for the snap ring assembly. The tether and the flexible hose are typically straight or near straight and when the fire truck leaves the station, tension is supplied by the cable, and when a sufficient moment is generated, the nozzle breaks free.